



WINDSOR MINERALS INC.

CONFIDENTIAL

Windsor, Vermont

January 14, 1975

Subject: Concerning a 6 month ore study
on asbestiform content.

TO: Roger N. Miller

The following is a brief report on our study of the asbestiform content of weekly composite samples representing all materials processed in the plants of Windsor Minerals from June 3, 1974 to December 6, 1974.

The samples were composited in the Q.A. Lab and on the basis of statistical analysis can be considered to thoroughly represent any given week's ore input and consequently product output at all locations. Specifically all weekly composites were composed of >100 randomly collected 20 gm ground ore samples which were blended, screened and reblended before analysis, with all analytical work being performed on the -200 mesh fraction.

The samples represented both the industrial materials produced at the Gassetts (GI) and West Windsor (WI) mill sites and the ores used in the cosmetic production (HC).

Petrographic analyses were performed by Windsor Minerals Research Dept.; TEM and electron diffraction studies were performed by Walter C. McCrone Research Associates on a total of 49 samples (98 analyses).

In one instance asbestos was identified, this being associated with sample D-GI produced at the Gassetts Mill. In view of the detected level, .006% and the large number of samples analyzed, representing an even larger sample population, a rigorous statistical analysis indicates that this one instance is well outside the 99.9% confidence limits and more probably represents normal contamination associated with a manufacturing environment situated next to a major highway rail siding and within an antiquated asbestos insulated building.

In the way of a further explanation it is important to note that in many electron microscope laboratories the background count in a laboratory having filtered air is often greater than 10 fibers/grid.. Depending upon the sample preparation and fiber size this could easily lead to a reported level of .01% if superimposed upon an absolutely "clean" talc sample.



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In conclusion it can be stated with a greater than 99.9% certainty that the ores and materials produced from the ores at all Windsor Mineral locations are free from asbestos or asbestiform materials.

Vernon Zeitz
Manager of Research and
Development

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Attachments

cc: VZ (2)
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